

Fig.1

User ID	Case ID	Diagnosis	Diagnosis Correct ?	User Actions	Time spent on case

Fig.2

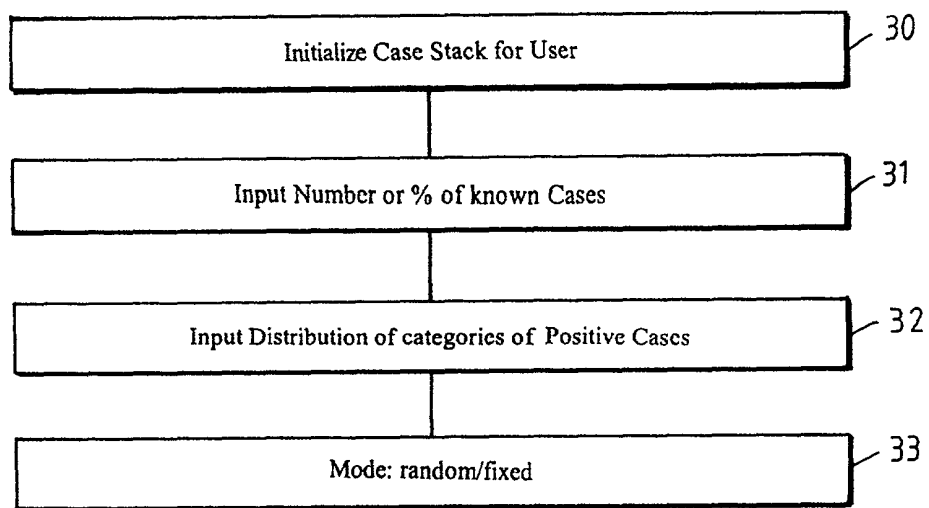


Fig. 3

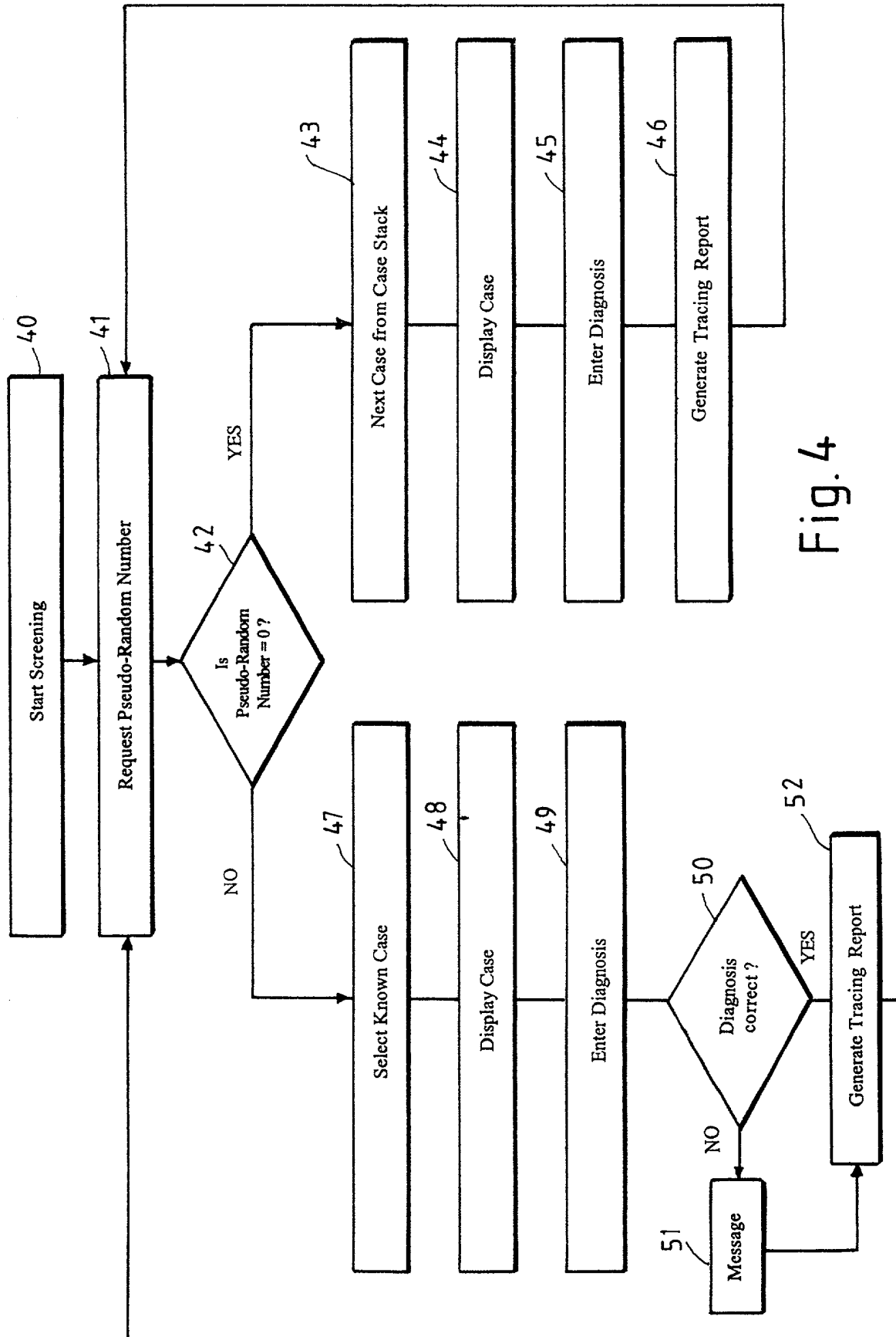


Fig. 4

5/9

Total number of cases: 10 20 30 40 50 60 70 80 90 100 25

Number of suspicious cases: ?

min. number: 0 1 2 5 10 20 30 26

max. number: 0 1 2 5 10 20 30 27

Choice and order of cases: random/fixed

Start training

Fig.5

10 20 30 40 50 60 70 80 90 100 25

Number of suspicious cases: ?

min. number: 0 1 2 5 10 20 30 26

max. number: 0 1 2 5 10 20 30 27

Choice and order of cases: random

Start training

Fig.6

Result Table
(Case Selected Correct)

01		+
02		+
03	-	-
04	-	-
05	-	-
06	-	-
07		+
08	-	-
09	-	-
10		+

Correctly: 6 (60%)
Incorrectly: 4 (40%)
False pos.: 0
False neg.: 4
Time: 0 min 47 s

Show solutions
New training set

Fig.7

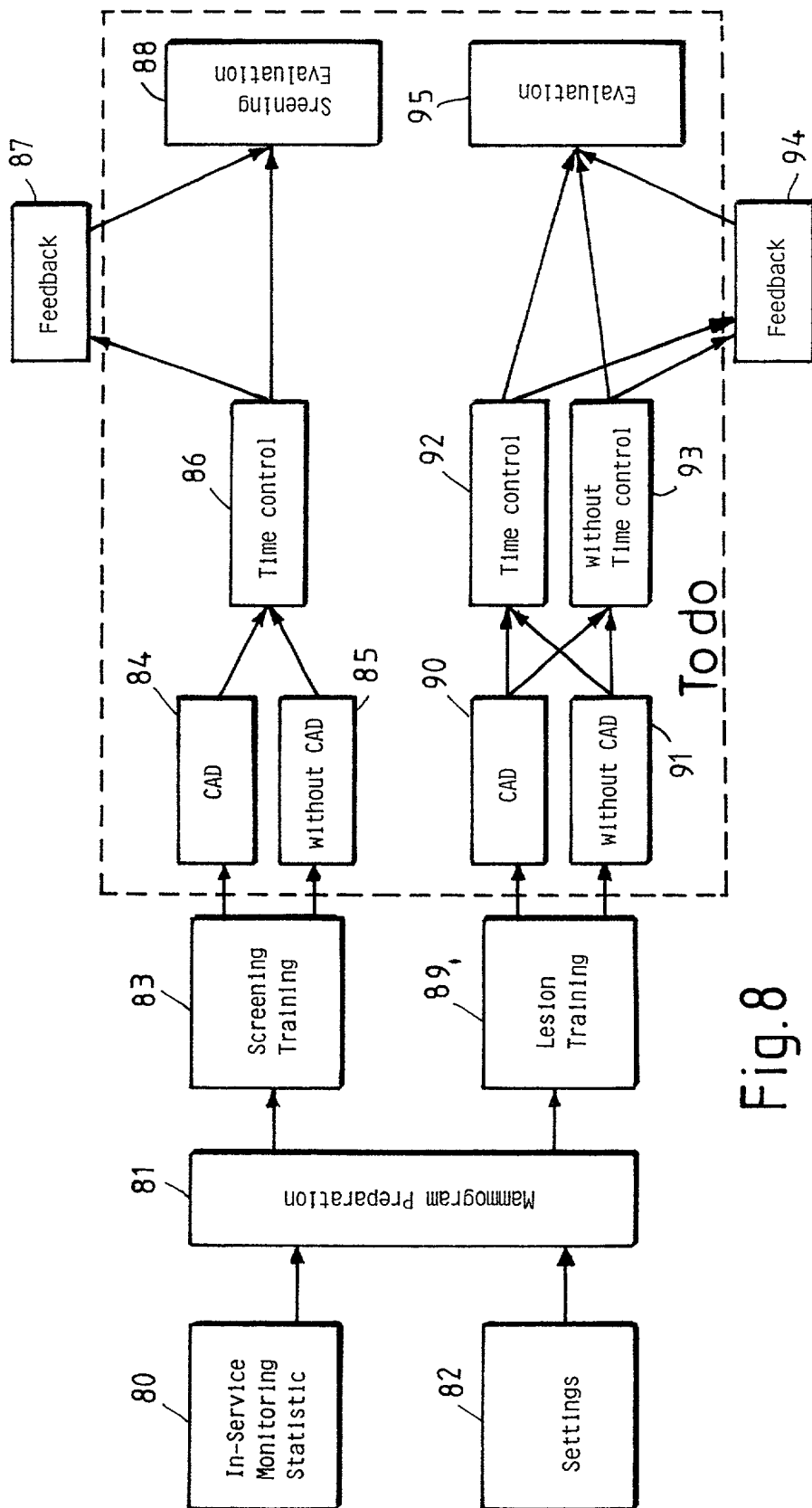


Fig.8

Setup

Total Numbers of cases: **42**

normal cases: **21**

positive cases: **21**

Age

☐ 50-59 years

☐ 60-70 years

☐ > 70 years

Batchfile

Source Image Directory: **./Incoming**

Batchfilename: **ming/batchfile.txt**

Enhancement: ☐ Clahe ☐ Wavelet

Write

96

97

98

99

100

101

102

Fig.9

MDialog 1

User Setup Case Administration Admin Setup

Input Cases Search Cases Lesion Training Screening Training

Positive Cases

Case New Item

103 Examination Selection

☐ Pre-Previous ☐ Previous ☐ Current

104 Age

☐ 50-59 years ☐ 60-70 years ☐ > 70 years

105 Lesion

☐ mass ☐ calc. ☐ dist. ☐ asym. ☐ other

106 Cancer Features

Pathology

☐ Invasive

☐ In situ

Tumor Category

☐ screen detected

☐ Interval cancer

Tumor Size

☐ d < 10 mm or micro-Invasive

☐ 10 mm <= d < 20 mm

☐ d > 20 mm

107

Noife Class

☐ N1 ☐ P1 ☐ P2 ☐ DY

Search

☐ randomized

Search

108

Statusbar

109

Inservise Setup..

Select all Deselect all

Batchfile

Source Image Directory

Batchfilename:

Enhancement

☐ Clahe ☐ Wavelet

Write

Clear

Randomize

Apply OK Cancel

Fig.10

cases	results	elapsed time
Case018	★	5 s
Case023	Not correctly judged	4 s
Case033	Not correctly judged	6 s
Case044		8 s
Case088	Not correctly judged	8 s
Case092		6 s
Case441		8 s
Ok		

Fig.11